

**Amendments to the Specification:**

Please amend the second full paragraph (including ...Equation 2) on page 9 as follows:

The thumbtacks 22 at a particular position form a resonant LC circuit that can be ~~though~~ thought of as a capacitance and inductance placed in parallel. Taken together, the array of parallel resonant LC elements 22 form a periodic electromagnetic structure 20 that behaves as an RF filter. The impedance of a parallel resonant LC circuit, and the effective surface impedance of the periodic electromagnetic structure 20 is

$$Z_{LC} = \frac{j\omega L}{1 - \omega^2 LC} \quad \dots \text{Equation 1}$$

where  $\omega$  is the frequency of the incident radiation and  $j$  is the square root of  $-1$ . The impedance of the periodic electromagnetic structure 20 varies with the wavelength of the incident radiation and has a maximum value at the resonant frequency of the LC circuit, as shown in Figure 6. The resonant frequency  $\omega_0$  is given by

$$\omega_0 = \frac{1}{\sqrt{LC}} \quad \dots \text{Equation 2}$$